	Application No.	**Applicant(s)**	
Notice of Allowability	10/828,402	SHERWANI, ADIL A.	
	Examiner	**Art Unit**	
	Abdou Karim Seye	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to <u>amendment filed on 08/19/2009 and interview summery on 03/11/2009</u>.

2. ☒ The allowed claim(s) is/are <u>1, 6-9,12-16 and 19 (now renumbered as claims 1-11)</u>.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

     * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08),
    Paper No./Mail Date <u>08/04/2009; 08/19/2009; 10/20/2009</u>

4. ☐ Examiner's Comment Regarding Requirement for Deposit
    of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),
    Paper No./Mail Date <u>03/11/2009</u> .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDEMENT

1.   . An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview

with Jason F. Lindh (Reg. No. 59090) on 03 November 2009.

3. The claims had been amended as follows:

    1.   **(Currently Amended)**   A method comprising:

    listening at an application programming interface for a notification indicating that

a change is to be made in a topology of streaming media software components, wherein

the change includes at least one of adding or removing one or more streaming media

software components to the topology; [[and]]

    when the notification is received, notifying a media engine, wherein:

        the media engine is capable of reconfiguring the topology in

      accordance with the indicated change to form a reconfigured topology;

      and

        at least one of the topology or the reconfigured topology has:

one streaming media software component located on a

computing device; and another streaming media software

component located on another computing device; [[and]]

registering to receive the notification from an operating system via a notification

manager, wherein the notification manager listens to change events from a plurality of

named events defined in a registry signaling a change is to be made in a topology

streaming media software component; and

initializing the reconfigured topology to have an execution state relative to

streaming media that matches an execution state of the topology when the notification

was received.

2. – 5. (Canceled)

6.   **(Previously Presented)**   The method as described in claim 1, wherein

the change includes at least one of adding or removing one or more said streaming

media software components to the topology that render streaming media.

7.   **(Previously Presented)**   The method as described in claim 1, wherein

the change includes at least one of adding or removing one or more streaming media

software components to the topology that source streaming media.

8.   **(Previously Presented)**   The method as described in claim 1, wherein the change includes at least one of adding or removing one or more streaming media software components to the topology that handle streaming media.

9.   **(Previously Presented)**   The method as described in claim 1, wherein the topology of streaming media software components include:

one or more media sources individual ones of which serving as a source of streaming media;

one or more transforms communicatively linked with the one or more media sources and configured to handle the streaming media from the one or more media sources; and

one or more media sinks configured to sink the streaming media from the one or more transforms.

10.   **(Canceled)**

11.   **(Canceled)**

12.   **(Currently Amended)**   The method as described in claim [[11]] 1, wherein each said execution state includes execution characteristics that relate to the streaming media and are selected from the group consisting of: start; pause; stop; fast forward; rewind; slow motion; and position in the streaming media.

13.   **(Currently Amended)**   One or more computer readable <u>storage</u> media comprising computer executable instruction that, when executed on a computer, direct the computer to perform the method as described in claim 1.

14.   **(Currently Amended)**   A method comprising:

listening at an application programming interface for a notification indicating that a change is to be made to a first topology of software components, wherein the change includes at least one of adding or removing one or more streaming media software components to the <u>first</u> topology and wherein the first topology of software components is[:] capable of streaming media [;] and has an execution state relative to the streaming media;

<u>registering to receive the notification from an operating system via a notification manager, wherein the notification manager listens to change events from a plurality of named events defined in a registry signaling a change is to be made in a topology streaming media software component;</u>

reconfiguring the first topology in accordance with the indicated change to form a second said topology; and

initializing the second said topology to have an execution state that matches the execution state of the first topology, wherein at least one of the first or the second said topology have said software components that are distributed on a plurality of computing

devices and wherein each said execution state includes execution characteristics that

relate to the streaming media and are selected from the group consisting of:

>   start;

>   pause;

>   fast forward;

>   rewind;

>   slow motion; and

>   position in the streaming media.

15.   (Original)   The method as described in claim 14, wherein the plurality of

computing devices is communicatively coupled via a network.

16.   (Original)   The method as described in claim 14, wherein the at least

one of the first or second topology have said software components that are distributed

on a plurality of computing devices such that: one said software component is located

on a first said computing device; and another said software component is located on a

second said computing device.

17.   (Canceled)

18.   (Canceled)

19.   (Currently amended)   One or more computer readable <u>storage</u> media comprising computer executable instruction that, when executed on a computer, direct the computer to perform the method as described in claim 14.

20-37. (Canceled)

Allowable Subject Matter

4. Claims **1, 6-9,12-16 and 19** are allowed.

5. The following is an examiner's statement of reasons for allowance:

The arts of record used as the basis for the previous rejection, Reisman (US 20040031058), Amini et al (U.S Patent 6581102), and Miller et al (US 20020099861) do not expressly teach or render obvious the invention as recited in independent **claims 1 and 14**.

   a. As to **claims 1**, the art of record does not expressly teach when the notification is received, notifying a media engine, wherein: the media engine is capable of reconfiguring the topology in accordance with the indicated change to form a reconfigured topology; and t least one of the topology or the reconfigured topology has: one streaming media software component located on a computing device; and another streaming media software component located on another computing device; registering

to receive the notification from an operating system via a notification manager, wherein the notification manager listens to change events from a plurality of named events defined in a registry signaling a change is to be made in a topology streaming media software component; and initializing the reconfigured topology to have an execution state relative to streaming media that matches an execution state of the topology when the notification was received, as a whole. More over, the art of record does not provide a basis of evidence for asserting a motivation driven from the art or from one knowledgeable in the art, that one of ordinary skill in the art at the time the invention was made would have modified the method to combine the disclosed limitations as recited in the context of **Claim 1.**

   b. As to **Claim 14,** being directed to a method having substantially the same limitations as **Claim 1,** this claim is allowable for the same reasoning as recited in **Claim 1** above.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdou Karim Seye whose telephone number is 571-270-1062. The examiner can normally be reached on Monday - Friday 8:30 - 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sough Hyung can be reached on (571)272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hyung S. Sough/   /Abdou Karim Seye/
Supervisory Patent Examiner, Art Unit 2194   Examiner, Art Unit 2194
11/08/09